

Savannah River Site

A Presentation to
SRS Citizens Advisory Board
Strategic and Legacy Management Committee

Cold War Historic Preservation Program Update



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EM Environmental Management
safety ♦ performance ♦ cleanup ♦ closure



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Acronyms

CRMP	Cultural Resources Management Plan
CWA	Cold War Artifact
D&D	Deactivation and Decommissioning
HAER	Historical American Engineering Record
LOE	Level of Effort
SHPO	South Carolina Historic Preservation Office
SRS	Savannah River Site
SRNS	Savannah River Nuclear Solutions, LLC



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Agenda

- **Historic Program Basics**
 - **National Historic Preservation Act**
 - **Cultural Resource Management Plan**
- **Accomplishments**
- **Support for the Heritage Foundation, Inc.**
- **Ongoing Activities**
- **Curatorial Activities**
- **Future Work**



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The National Historic Preservation Act (NHPA) of 1966

- **This law requires that all Federal agencies consider the impacts to historic properties in all their undertakings (800.16(y)).**
- **Referred to as Section 106 of the National Historic Preservation Act.**
- **Specific regulations are contained in 36 CFR Part 800 and other regulations.**



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U. S. Laws, Regulations, and Orders for the Protection of Cultural Resources

- National Historic Preservation Act of 1966, as amended through 2000
- Federal Records Act of 1950 (Title 44, Chapter 31)
- National Register of Historic Places (36 CFR Part 60)
- Determination of Eligibility for Inclusion in the National Register of Historic Places (36 CFR Part 60)
- The Secretary of Interior's Standards for the Treatment of Historic Properties (36 CFR 68)
- National Historic Landmark Program (36 CFR Part 65)
- Curation of Federally-Owned and Administered Archeological Collections (36 CFR Part 79)
- Protection of Historic and Cultural Properties (36 CFR Part 800)
- Executive Order 11593: Protection and Enhancement of the Cultural Environment (1971)
- Executive Order 13287: Preserve America (2003)



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NHPA (Continued)

Compliance with NHPA is done in three steps:

- 1. Inventory resources – COMPLETE**
- 2. Evaluate for National Register of Historic Places (NRHP) eligibility – COMPLETE**
- 3. Avoid or mitigate effects to historic properties – Ongoing with SHPO and other Consulting Parties.**



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STEP 1 - Inventory Resources

- In November 2002, DOE-SR completed a Resource Study of SRS Cold War history and facilities.
- Inventoried 732 SRS facilities, all of which were constructed between 1950 and 1989.
- 232 site facilities are historically eligible.



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Selection Criteria For NRHP Eligibility

Facilities

- that are associated with events that have made a significant contribution to the broad patterns of our history; or
- that are associated with the lives of persons significant in our past; or
- that embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- have yielded, or may be likely to yield, information important in prehistory or history.



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STEP 2 - Eligibility

SRS Cold War National Register district encompass the SRS's 310 square miles within Aiken, Barnwell, and Allendale counties, including:

- **The Site's Layout;**
- **Fuel and Target Fabrication; (M-Area)**
- **Heavy Water Production and Rework; (D-Area)**
- **Reactor Operations and reactor area support buildings; (R,P,L,K,C)**
- **Separations Processes and Early Waste Management; (T-Area, F/H Areas)**
- **Research and Development; (777-10A and SRNL)**
- **Facilities related to Safety and Security;**
- **Power Generation and Water Supply; and**
- **Facilities Related to Site Support. (A-Area)**



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STEP 3 - Avoid or Mitigate Adverse Effects

- **Mitigating actions include, but are not limited to:**
 - **Photography – aerial, exterior, and interior;**
 - **Oral histories from employees & retirees;**
 - **Written documents describing the historical contribution and processes;**
 - **Preservation of artifacts;**
 - **Preservation of structures**
- **Program is conducted in accordance with Cultural Resources Management Plan (CRMP)**



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Cultural Resources Management Plan, (CRMP)

- Contains mitigation strategies that are appropriate to each historic property's level of significance and integrity;
- Describes the integral role of oral history to an understanding of SRS's past and the need to interview SRS retirees as a part of the preservation process;
- Describes how DOE will nominate eligible properties to the NRHP;
- Identifies key historical documents to be preserved that tell the story of the site layout, its construction and early operational history;
- Contains a process to determine how and where documentation will be archived;
- Contains a series of short term and long term goals for Historical Program Management.



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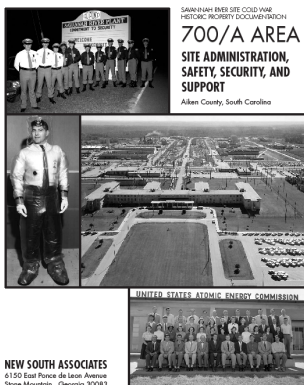
Accomplishments



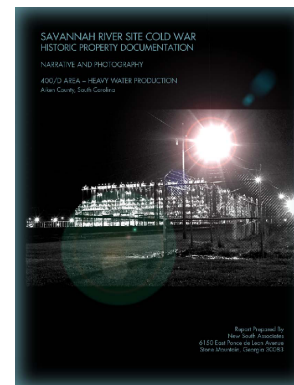
M-Area Thematic Study



T-Area Thematic Study



A-Area Thematic Study



D-Area Thematic Study



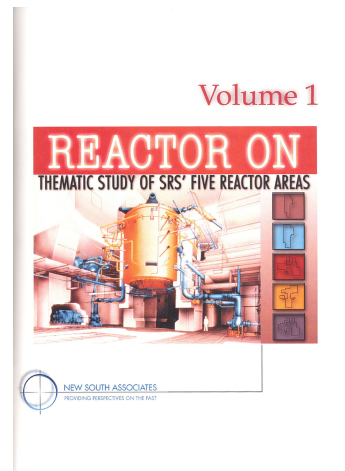
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Accomplishments (cont.)

777-10A HAER Study (*accepted by the U. S. National Archives*)



•Tritium Study Files



Reactor Thematic Study



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Support for the SRS Heritage Foundation, Inc. (Independent non-profit organization)

- **DOE Permission granted to publish “SRS at 50”**
- **DOE Letter of Intent for Building 742-A**
- **DOE Letter of Intent for Ellenton Walking Trail**
- **DOE Letter of Intent for Barricade Adjacent to the Old
City of Ellenton, SC**



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Ongoing Activities

- **Organize Heritage Tourism Team Meetings**
(SHPO, SRS Heritage Foundation, DOE, SC Heritage Tourism Office, Various Museum Curator interfaces)
- **Organize Historic Preservation Advisory Team Meeting**
- **Approximately 100 Oral Histories have been completed to date**



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Ongoing Activities (Cont.)

- **Continue to identify and relocate artifacts; photography and collect drawings**
- **Approve/Disapprove facility modification requests**
- **SRS Tours Program, SRS overview, and Site News address Cold War Historic Preservation Program**
- **C Area Feasibility Study anticipated completion in FY10**
- **Anticipated completion of Revision 1 to the CRMP in FY10**
- **Anticipate completion of the SRS Curation Facility by the end of 2010**



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315-M Curation Facility



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Curation Facility Modification Progress



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Curatorial Activities

- **Catalog and protect existing artifacts**
 - 1600 records in database to-date
 - Records include artifacts, collections of related artifacts, and documentary collections
- **Digitized oral histories**
- **Consolidated historic photographic negatives**
- **Support to Education Outreach**
 - Worked with Science & Technology Enrichment Program (STEP)
 - Participated in Project Learning Tree Teacher Workshop
- **Artifact loan program in place for Aiken County Historical Museum and others**



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Future Work

- **Infrastructure Thematic Study (final FY10)**
- **Separations Thematic Study (start draft in FY10)**
- **CRMP Revision 1 (complete in FY10)**
- **R&D Thematic Study (start draft in FY12)**



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Project Crested Ice

- On January 21, 1968, a B-52G bomber crashed near Thule Air Force Base, in Greenland. The plane was carrying nuclear bombs, which contaminated a large patch of ice as the plane burned.
- The project was nicknamed “Dr. Freezelove” by workers



SRP explorers Eargle, Hopkins and Bastin pose before flat-topped Dundas Mountain, a famous landmark of Greenland.



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Project Crested Ice - continued

- The Savannah River Site sent 3 men to Greenland to consult on disposal tactics— Jim Hopkins and Clint Bastin of AEC and John Eargle of DuPont separations
- Savannah River Plant Health Physics monitored the transfer of drums from naval ships to rail cars at Charleston

